

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

C Number: C02120

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Testis

Trachea

Metamorphosis, Fatty

Aspermatogenesis

Atrophy, Focal

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone marrow

Kidney

Lung

Bronchus

Preputial gland

Prostate

Testis

Metamorphosis, Fatty

Hyperplasia, Erythroid

Inflammation, Chronic

Inflammation, Chronic

Perivasculitis

Adenocarcinoma, Nos

Inflammation, Chronic Suppurative

Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Dilatation, Nos

Testis

Hyperplasia, Interstitial Cell

Trachea

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Focal
Skin	Nose	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Lung

Testis

Trachea

Bronchus

Metamorphosis, Fatty

Inflammation, Chronic

Perivasculitis

Hyperplasia, Interstitial Cell

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lymph node

Testis

Renal Lymph Node

Tubule

Tubule

Glomerulosclerosis, Nos

Cyst, Nos

Degeneration, Nos

Hyperplasia, Interstitial Cell

Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Interstitial
Liver		Necrosis, Focal
Pancreas		Inflammation, Nos
	Islets	Islet-Cell Adenoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Bronchus

Perivascular Cuffing

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Inflammation, Chronic Necrotizing
Lung	Bronchus	Inflammation, Chronic Perivasculitis
Skin	Cheek	Inflammation, Granulomatous Focal
Testis		Arteriosclerosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Lung

Testis

Trachea

Myocardium Nos

Bronchus

Metamorphosis, Fatty

Inflammation, Chronic Focal

Congestion, Nos

Inflammation, Chronic

Interstitial-Cell Tumor

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung
Testis
Thymus

Bronchus

Perivascular Cuffing
Interstitial-Cell Tumor
Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Bronchus

Perivascular Cuffing

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Heart	Endocardium Nos	Inflammation, Granulomatous Focal
Kidney		Hematopoiesis
	Tubule	Necrosis, Focal
Stomach	Omentum Nos	Necrosis, Fat
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Granulocytic
Urinary bladder		Inflammation, Hemorrhagic
		Ulcer, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Bronchus

Perivascular Cuffing

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Bronchus

Perivascular Cuffing

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lung

Trachea

Bronchus

Inflammation, Chronic

Inflammation, Chronic

Perivasculitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 32000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver	Centrilobular	Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
	Bronchus	Perivascular Cuffing
Spleen	Follicles	Hypertrophy, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: L-Arginine Glutamate
CAS Number: 4320-30-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:54:18
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Inflammation, Interstitial
	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Pancreas	Acinus	Atrophy, Nos
Prostate	Prostatic Urethra	Cast, Nos
	Prostatic Urethra	Hyperplasia, Nos
		Inflammation, Acute/Chronic
Skin		Acanthosis
		Cyst, Epidermal Inclusion
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Hyaline
	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Inflammation, Interstitial
	Bronchiole	Inflammation, Nos
		Perivasculitis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Hyperplasia, Nos
Prostate		Cytoplasmic Vacuolization
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Acute
Mammary gland		Hyperplasia, Nos
		Lactation
Pancreas	Acinus	Atrophy, Focal
	Duct Nos	Hyperplasia, Nos
	Islets	Hyperplasia, Nos
		Inflammation, Nos
Salivary gland		Degeneration, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid		Adenoma, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Congestion, Nos Hyperplasia, Focal Metamorphosis, Fatty
Lung	Edema, Nos
Testis	Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivascular Cuffing
	Bronchiole	Polyp, Inflammatory
Prostate		Inflammation, Acute
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivasculitis
Prostate		Inflammation, Focal
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sternum	Fibrosis, Focal
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivasculitis
	Bronchiole	Polyp, Inflammatory
Prostate		Cytoplasmic Vacuolization
Seminal vesicle		Dilatation, Nos
Stomach	Fundal Gland	Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Mammary gland		Hyperplasia, Nos
Prostate		Cytoplasmic Vacuolization
		Pigmentation, Nos
Seminal vesicle		Dilatation, Nos
Stomach	Fundal Gland	Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sternum	Degeneration, Cystic
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Acute/Chronic
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel
Heart

Pulmonary Artery Nos
Myocardium Nos
Myocardium Nos

Liver
Testis

Bile Duct

Calcification, Medial
Fibrosis
Inflammation, Nos
Hyperplasia, Nos
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sternum	Degeneration, Cystic
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivasculitis
Pancreas		Inflammation, Acute/Chronic
Prostate		Inflammation, Acute Focal
Seminal vesicle		Dilatation, Nos
Stomach	Fundal Gland	Dilatation, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivascularitis
Pituitary gland		Hyperplasia, Chromophobe Cell
Prostate		Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Seminal vesicle		Dilatation, Nos
Stomach	Fundal Gland	Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic Periarteritis
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Nos
Lung	Bile Duct Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Mammary gland		Hyperplasia, Nos
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
Lung	Bronchiole	Hyperplasia, Epithelial
	Bronchiole	Inflammation, Interstitial
		Lymphocytic Inflammatory Infiltrate
		Perivascularitis
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Acute/Chronic
Prostate		Cytoplasmic Vacuolization
		Inflammation, Acute Focal
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Bone	Sternum	Degeneration, Cystic
Brain	Neuropil	Cytoplasmic Vacuolization
Ductus deferens	Vas Deferens Nos	Hyperplasia, Epithelial
	Vas Deferens Nos	Hypertrophy, Nos
Heart	Endocardium Nos	Inflammation, Acute/Chronic
	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Alveolar/Bronchiolar Adenoma
	Bronchiole	Lymphocytic Inflammatory Infiltrate
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Mineralization
		Perivasculitis
Prostate		Inflammation, Acute Focal
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sternum	Degeneration, Nos
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
Lung		Inflammation, Interstitial
	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Pancreas	Acinus	Degeneration, Nos
		Inflammation, Acute/Chronic
Prostate		Cytoplasmic Vacuolization
		Inflammation, Acute
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified	Adipose Tissue	Inflammation, Granulomatous Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Bone	Sternum	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivascularitis
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Acute/Chronic
		Metaplasia, Squamous
Seminal vesicle		Dilatation, Nos
Skin		Inflammation, Nos
Stomach	Fundal Gland	Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified		Abscess, Nos
	Adipose Tissue	Inflammation, Granulomatous Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sternum	Degeneration, Nos
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Intestine Small	Ileum	Hyperplasia, Lymphoid
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Mammary gland		Hyperplasia, Nos
Prostate		Cytoplasmic Vacuolization
		Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sternum	Degeneration, Cystic
Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivasculitis
Seminal vesicle		Dilatation, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Carcinoma
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Pancreas	Acinus	Atrophy, Nos
	Duct Nos	Hyperplasia, Focal
Testis		Inflammation, Acute/Chronic
		Degeneration, Nos
		Hypoplasia, Nos
Trachea		Mineralization
		Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Neuropil	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
	Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Prostate		Cytoplasmic Vacuolization Inflammation, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Bile Duct

Inflammation, Interstitial

Degeneration, Eosinophilic

Hyperplasia, Nos

Metamorphosis, Fatty

Necrosis, Focal

Lung

Perivascular Cuffing

Testis

Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Interstitial
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Nos
Lung	Bile Duct Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Interstitial
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Trachea

Myocardium Nos

Bronchus

Metamorphosis, Fatty

Inflammation, Chronic Focal

Inflammation, Chronic

Degeneration, Eosinophilic

Necrosis, Focal

Inflammation, Chronic

Perivasculitis

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Inflammation, Nos
Preputial gland		Abscess, Nos
		Adenoma, Nos
Prostate		Inflammation, Focal
Skin	Ear	Fibrosarcoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Inflammation, Diffuse
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
Spleen		Hypertrophy, Nos
Thymus		Depletion, Lymphoid
Trachea		Inflammation, Acute/Chronic
Unspecified	Thorax Nos	Steatitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty
Lung		Inflammation, Interstitial
	Bronchiole	Inflammation, Nos Perivasculitis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
		Perivascular Cuffing
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Spleen		Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Abscess, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver		Degeneration, Eosinophilic
Lung	Bronchiole	Inflammation, Chronic
		Inflammation, Focal
		Perivasculitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Degeneration, Eosinophilic Hyperplasia, Nos Necrosis, Focal
Lung	Bronchiole	Inflammation, Interstitial Inflammation, Nos Perivasculitis
Pituitary gland		Chromophobe Adenoma
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Perivascular Cuffing
Mammary gland		Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Focal
		Hyperplasia, Focal
		Necrosis, Focal
Lung	Bronchiole	Hyperplasia, Lymphoid
		Perivasculitis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Hyperplasia, Nos
Prostate		Inflammation, Acute Focal
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Papillary Adenocarcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: L-Arginine Glutamate
CAS Number: 4320-30-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:54:18
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos Necrosis, Focal
Lung	Bronchus	Hyperplasia, Lymphoid Inflammation, Interstitial
	Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Prostate		Inflammation, Acute
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thymus		Cyst, Colloid
Trachea		Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Heart

Liver

Lung

Trachea

Myocardium Nos

Bile Duct

Bronchus

Metamorphosis, Fatty

Inflammation, Chronic Focal

Hyperplasia, Nos

Necrosis, Focal

Inflammation, Chronic

Inflammation, Focal

Perivasculitis

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos Necrosis, Focal
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Pancreas		Inflammation, Interstitial
Testis		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Nos
Lung	Bile Duct Bronchiole	Inflammation, Nos Perivascular Cuffing
Prostate		Inflammation, Acute
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Focal
Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Perivascular Cuffing
Prostate		Inflammation, Focal
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Ulcer, Nos
Kidney		Glomerulonephritis, Nos
Liver		Degeneration, Eosinophilic
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Pancreas	Acinus	Atrophy, Focal
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Nematodiasis
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung	Bronchus	Inflammation, Chronic
Testis		Aspermatogenesis
		Atrophy, Nos
Thyroid		Calcification, Nos
Trachea		C-Cell Carcinoma
		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Focal
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate Perivasculitis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Interstitial
Liver		Cyst, Nos
		Degeneration, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Hyperplasia, Lymphoid
		Inflammation, Interstitial
	Bronchiole	Inflammation, Nos
		Perivascular Cuffing
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Degeneration, Eosinophilic Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate Perivascularitis
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos
Urinary bladder		Hyperplasia, Epithelial Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Lung

Pancreas

Testis

Trachea

Bile Duct

Bronchus

Duct Nos

Metamorphosis, Fatty

Hyperplasia, Nos

Inflammation, Chronic

Hyperplasia, Focal

Hyperplasia, Interstitial Cell

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Lung	Bronchus	Perivascular Cuffing
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
Spleen		Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Endocardium Nos Myocardium Nos	Inflammation, Acute/Chronic Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Lung		Inflammation, Interstitial Perivascular Cuffing
Prostate		Inflammation, Acute Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
Lung	Bronchiole	Lymphocytic Inflammatory Infiltrate
		Perivasculitis
Pancreas		Inflammation, Interstitial
Prostate		Inflammation, Acute Focal
Seminal vesicle		Hyperplasia, Epithelial
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C02120

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: L-Arginine Glutamate

CAS Number: 4320-30-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:54:18

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
Liver		Necrosis, Focal
Lung	Bronchus	Bronchiectasis
		Pneumonia, Chronic Murine
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
Testis		Atrophy, Nos
		Edema, Nos
		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****